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REPORT

CD NO.

50X1-HUM

COUNTRY	USSR	DATE OF INFORMATION	1949 - 1950
SUBJECT	Economic; Technological - Spark metalworking		
HOW PUBLISHED	Daily newspapers; monthly, semimonthly periodicals	DATE DIST.	11 Sep 1950
WHERE PUBLISHED	USSR; Rumania	NO. OF PAGES	2
DATE PUBLISHED	1 Dec 1949 - Jul 1950		
LANGUAGE	Russian; Rumanian	SUPPLEMENT TO REPORT NO.	

THIS IS UNEVALUATED INFORMATION

SOURCE Newspapers and periodicals as indicated.

BUILD EXPERIMENTAL EROSION TOOL

MAKE DIES ON EROSION UNIT -- Smena, Jul 50

Under the direction of the chief engineer, three Komsomols at the Pavlovo Plant imeni Zhdanov have set up an experimental electric-erosion machine tool. By using the pedestal of an old milling machine and making all the electrical equipment themselves, the Komsomols were able to build the machine for one twenty-fifth the estimated cost.

The new tool is being used for making automobile-tool forming dies. Production cost of this item has been cut to one-third the former cost, while labor productivity in the operation has increased five or six times. The new dies are of incomparably better quality than the old.

DISCUSS ELECTRIC-SPARK HARDENING OF TOOLS -- Sovetskaya Latviya, 14 May 50

During the past years, the electric-spark method for hardening cutting tools, developed by B. Lazarenko, has become widespread among leading enterprises of the Soviet Union. Application of the method, which consists of depositing hard alloy on the cutting edges of a tool, increases the durability of drills and cutters two or three times and the durability of dies three or four times.

In order to share experience gained by Riga plants in this matter, a meeting was called by the management and the NITO (Scientific-Research Technical Division) of the Riga Railroad-Car Building Plant at which representatives from Riga plants participated. Senior engineer Strong of the Orgtransmash Institute demonstrated the apparatus for electric-spark hardening which he has introduced at many shops of the Riga Railroad-Car Building Plant.

Ingelevich, a high-speed lathe operator, told of his experience in using hardened tools which permitted a 40-percent increase in labor productivity.

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SHOP IS SLOW TO USE NEW UNIT -- Pravda Vostoka, 20 May 50

A turner at the Tashtekstil'mash Plant writes that he is not receiving the material support he needs from his shop and plant management. A Texrope [a type of multiple V-belt drive] which he was promised has not yet arrived. Centralization of tool sharpening on the anode-mechanical unit which the plant recently acquired is proceeding slowly.

DESIGNS NEW ELECTRIC MACHINING UNIT -- Pravda, 16 May 50

V. A. Bogdanov, a fitter at the Kirov Plant, has designed a portable machine tool for the electric machining of metal. The new unit can be used for repairing instruments, internal-combustion engines, machinery, and for various other industrial purposes.

GIVES CIRCUIT DETAILS FOR NEW TOOL-SHARPENING UNIT -- Gazeta Tehnicianului, 1 Dec 49

[The following information supplements the general description of an electric tool-sharpening unit appearing in OO-W-9227. The Rumanian source is quoting the Soviet periodical Avtomobil', No 9, 1949.]

The electrocontact tool-sharpening unit designed by Engineer Perlin employs an 0.5-1.0 kilowatt motor. The tool-and-disk circuit has a 1.5-kilowatt monophase transformer with three intermidiary take-offs: (a) 2 volts, 50 amperes, (b) 6 volts, 90 amperes, and (c) 8 volts, 150 amperes.

The Saratov Plant [presumably, the Plant imeni Ordzhonikidze, where Perlin is employed] has built units of this type for plants in Stalingrad, Voronezh, and Simferopol'.

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